



STATE OF ALASKA
DEPARTMENT OF
COMMERCE
COMMUNITY AND
ECONOMIC DEVELOPMENT

Mike Dunleavy, Governor
Julie Anderson, Commissioner
Robert M. Pickett, Chairman

Regulatory Commission of Alaska

April 3, 2020

In reply refer to: Tariff Section
File: TA483-8
LO #: L2000128

Lee Thibert
Chief Executive Officer
Chugach Electric Association, Inc.
P. O. Box 196300
Anchorage, AK 99519-6300

Dear Mr. Thibert:

Chugach Electric Association, Inc. (Chugach) filed TA483-8 on February 24, 2020, seeking to update its Generation and Transmission Line Loss Factor calculation based on 2019 operating results. On April 2, 2020, the Regulatory Commission of Alaska approved Tariff Sheet Nos. 103.4 and 103.5, filed February 24, 2020, by Chugach with TA483-8. The effective date of the tariff sheets is May 1, 2020.

Enclosed are validated copies of the approved tariff sheets.

BY DIRECTION OF THE COMMISSION

Sincerely,

REGULATORY COMMISSION OF ALASKA

Becki Alvey
Tariff Section Manager

Enclosures

cc: Arthur Miller
Executive Vice President, Regulatory and External Affairs
Chugach Electric Association, Inc.
P.O. Box 196300
Anchorage, AK 99519-6300

RCA 8 17th Revision Sheet No. 103.4
 Canceling
16th Revision Sheet No. 103.4

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STATE OF ALASKA
 REGULATORY COMMISSION OF ALASKA

Chugach Electric Association, Inc.


CALCULATION OF CHUGACH G&T LOSSES
2019 Test Year

Description	Q1-19	Q2-19	Q3-19	Q4-19	Total
<u>Energy Entering System</u>					
Beluga Power Plant	15,599.8	8,595.9	14,439.9	31,154.6	69,790.2
IGT Power Plant	0.0	7.2	220.6	598.8	826.5
Fire Island Wind (IGT Bkr 532)	12,662.1	10,268.3	5,058.1	17,479.3	45,467.9
Southcentral Power Project	317,839.9	282,507.8	296,989.1	306,435.0	1,203,771.8
Quartz Creek Substation	31,319.0	100,893.8	57,024.7	20,374.1	209,611.6
AML&P Plant 2	29,891.9	23,907.7	15,714.1	16,954.3	86,468.0
Teeland Substation	41,954.1	78,202.0	38,133.1	6,813.5	165,102.7
University Substation Bkr 152	1,912.5	882.5	847.1	2,463.1	6,105.3
Douglas Substation	0.0	0.0	0.0	0.0	0.0
Cooper Lake Power Plant	12,519.0	10,117.3	16,692.8	12,818.1	52,147.2
AML&P to ITSS	782.7	1,673.1	335.1	37.2	2,828.2
Total Energy Entering System	464,481.1	517,055.5	445,454.8	415,127.9	1,842,119.3
<u>Energy Leaving System</u>					
Quartz Creek Substation	221.9	160.2	2.4	0.2	384.7
Daves Creek Substation	14,141.5	14,081.3	14,799.4	13,684.4	56,706.6
Douglas Substation	51,303.3	92,310.2	45,938.4	40,068.4	229,620.3
AML&P Plant 2	1,849.1	129.9	1,612.9	741.8	4,333.7
ITSS to AML&P	23,768.3	16,924.0	26,663.2	25,720.3	93,075.8
Teeland Substation	31,494.0	41,411.3	25,164.0	4,491.7	102,561.1
University Substation Bkr 152	24,317.3	78,554.2	51,133.9	21,055.0	175,060.5
Power Plant Station Service Totals	11,628.0	10,714.6	11,059.4	11,816.4	45,218.3
Distribution Substation Deliveries	298,531.0	251,507.6	260,196.6	289,899.4	1,100,134.6
Total Energy Leaving System	457,254.3	505,793.4	436,570.3	407,477.6	1,807,095.6
Gross Energy Losses	7,226.9	11,262.1	8,884.5	7,650.3	35,023.7
Less Transformer Losses	1,321.5	1,321.5	1,321.5	1,321.5	5,286.0
Net G&T Losses	5,905.3	9,940.6	7,562.9	6,328.8	29,737.7

Tariff Advice No.: 483-8

Effective: May 1, 2020

Issued by: Chugach Electric Association, Inc.
P.O. Box 196300, Anchorage, Alaska 99519-6300

By:  Title: Chief Executive Officer
 Lee D. Thibert

RCA 8 17th Revision Sheet No. 103.5
 Canceling
16th Revision Sheet No. 103.5

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STATE OF ALASKA
 REGULATORY COMMISSION OF ALASKA

Chugach Electric Association, Inc.

CALCULATION OF CHUGACH G&T LOSSES

2019 Test Year ¹

Description	Q1-19	Q2-19	Q3-19	Q4-19	Total
Chugach Retail Distribution Losses					
Retail Receipts at Transmission Substation	298,531.0	251,507.6	260,196.6	289,899.4	1,100,134.6
Less: Chugach House Power	1,257.7	910.6	886.0	1,110.2	4,164.5
Net Receipts	297,273.3	250,597.1	259,310.6	288,789.2	1,095,970.1
Retail Sales at Delivery	286,058.5	241,658.7	249,930.7	278,092.1	1,055,739.9
Losses	11,214.8	8,938.4	9,379.9	10,697.1	40,230.2
Add: 1/2 House Power	628.9	455.3	443.0	555.1	2,082.2
Adj. Retail Dist. Losses	11,843.6	9,393.6	9,822.9	11,252.2	42,312.4
At Delivery	4.140%	3.887%	3.930%	4.046%	4.008%
At Transmission Substation	3.984%	3.749%	3.788%	3.896%	3.861%
Adjustment of G&T Losses for House Power					
G&T Deliveries	312,674.0	265,588.9	274,996.0	303,583.7	1,156,842.6
Net G&T Losses	5,905.3	9,940.6	7,562.9	6,328.8	29,737.7
Add: 1/2 House Power	628.9	455.3	443.0	555.1	2,082.2
Adjusted G&T Losses	6,534.2	10,395.9	8,006.0	6,883.9	31,819.9
At Delivery	2.090%	3.914%	2.911%	2.268%	2.751%
At Generation	2.047%	3.767%	2.829%	2.217%	2.677%

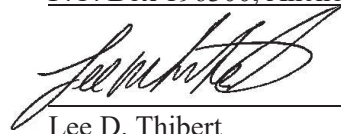
¹ G&T loss factor effective for the allocation of actual costs beginning January 1, 2020.

Tariff Advice No.: 483-8

Effective: May 1, 2020

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By:


 Lee D. Thibert

Title: Chief Executive Officer